

PMC-EF2a

(204.02)

**U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION**



RECIPIENT: Purdue University

STATE: IN

PROJECT TITLE : Midwest Consortium for Wind Turbine Reliability and Optimization

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-EE0003547	DE-EE0003547	GFO-10-443	0

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

- A9** Information gathering (including, but not limited to, literature surveys, inventories, audits), data analysis (including computer modeling), document preparation (such as conceptual design or feasibility studies, analytical energy supply and demand studies), and dissemination (including, but not limited to, document mailings, publication, and distribution; and classroom training and informational programs), but not including site characterization or environmental monitoring.
- B3.6** Siting, construction (or modification), operation, and decommissioning of facilities for indoor bench-scale research projects and conventional laboratory operations (for example, preparation of chemical standards and sample analysis); small-scale research and development projects; and small-scale pilot projects (generally less than two years) conducted to verify a concept before demonstration actions. Construction (or modification) will be within or contiguous to an already developed area (where active utilities and currently used roads are readily accessible).

Rational for determination:

Purdue University proposes to use federal funds to design, fabricate, and characterize the performance of a portable and instrumented wind turbine to be utilized as a learning tool and incorporated into existing course offerings at institutions of higher learning and use for community outreach at events.

The turbine design calls for a turbine height of 216.0 inches, and is not expected to adversely impact migratory birds or bat species.

The applicant has submitted an R & D questionnaire which thoroughly addresses safety and chemical handling protocols.

This project will entail research and development of a small portable wind turbine to be used for educational purposes to students and the local community; therefore a Catex A9 & B 3.6 will apply.

NEPA PROVISION

DOE has made a final NEPA determination for this award


Insert the following language in the award:

Note to Specialist :

Eugene Brown

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature:


NEPA Compliance Officer

Date:

7/2/10

FIELD OFFICE MANAGER DETERMINATION